

WHAT IS CLAIMED IS:

1. An electro luminescent (EL) with a color changing coating,
comprising:
 - a base layer, the base layer being transparent;
 - 5 a front electrode layer piled up the base layer, the front
electrode layer being transparent, the front electrode layer electrically
connected to a driving circuit;
 - a lighting layer piled up the front electrode layer, the
lighting layer including multiple lighting particles arranged therein,
 - 10 each lighting particle having an outer periphery fully coated with an
optical transform layer for changing a color of light ray from the
lighting particle;
 - an induce layer piled up the lighting layer;
 - a back electrode layer piled up the induce layer, the back
 - 15 electrode layer electrically connected to the driving circuit; and
 - an insulating layer coating the lighting layer, the induce
layer and the back electrode layer.
2. The EL as claimed in claim 1, wherein the lighting particle
further comprises a protect layer disposed between the outer periphery
20 of the lighting particle and the optical transform layer to prevent the
lighting particle from contacting with mist and oxygen for elongating a
using life of the lighting particle.
3. The EL as claimed in claim 1, wherein the optical transform

layer is consisted of multiple dyeing materials.

4. The EL as claimed in claim 1, wherein the front electrode layer and the back electrode layer each comprises a terminal extending therefrom and respectively electrically connected to the driving circuit.

5 5. The EL as claimed in claim 2, wherein the optical transform layer is consisted of multiple dyeing materials.

6. The EL as claimed in claim 2, wherein the front electrode layer and the back electrode layer each comprises a terminal extending therefrom and respectively electrically connected to the driving circuit.

10 7. The EL as claimed in claim 3, wherein the front electrode layer and the back electrode layer each comprises a terminal extending therefrom and respectively electrically connected to the driving circuit.